

Application Number 10/571876
Response to the Office Action dated May 21, 2008

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A thermal printhead comprising: an insulating substrate; a common electrode formed on the insulating substrate and including a plurality of comb teeth; a plurality of individual electrodes formed on the insulating substrate; and a resistor layer formed on the insulating substrate and electrically connected to the comb teeth and the individual electrodes;

wherein the resistor layer comprises a thin film of TaSiO₂, whereas the common electrode and the individual electrodes comprise a thick film;

wherein the comb teeth and the individual electrodes have respective front ends facing and spaced from each other; and

wherein the resistor layer is divided into a plurality of electrically-separated resistor portions correspondingly to the comb teeth and the individual electrodes, each of the resistor portions being positioned between the front end of one of the comb teeth and the front end of the corresponding one of the individual electrodes.

2. (Original) The thermal printhead according to claim 1, wherein the resistor layer has a film thickness of 0.05 to 0.2 μm , whereas the common electrode and the individual electrodes have a film thickness of 0.3 to 1.0 μm .

3. (Cancelled)

4. (Cancelled)

5. (Original) The thermal printhead according to claim 1, wherein the resistor layer, the common electrode and the individual electrodes are covered by a protective layer.

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6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Previously Presented) A thermal printhead comprising: an insulating substrate; a common electrode formed on the insulating substrate and including a plurality of comb teeth; a plurality of individual electrodes formed on the insulating substrate; and a resistor layer formed on the insulating substrate and electrically connected to the comb teeth and the individual electrodes;

wherein the resistor layer comprises a thin film, whereas the common electrode and the individual electrodes comprise a thick film;

wherein the comb teeth and the individual electrodes have respective front ends facing and spaced from each other; and

wherein the resistor layer is divided into a plurality of electrically-separated resistor portions correspondingly to the comb teeth and the individual electrodes, each of the resistor portions being positioned between the front end of one of the comb teeth and the front end of the corresponding one of the individual electrodes.